

METHOD FOR GRADUALLY ADJUSTING THE VOLUME LEVEL OF A DIGITAL SIGNAL WITHIN A PREDEFINED TIME USING A VOLUME CONTROL CIRCUIT

Abstract

According to the claimed invention, a DSP is disclosed. The DSP comprises a processing unit for processing the data stream, a first memory coupled to the processing unit for storing a destination volume value, and a second memory coupled to the processing unit for storing a time_determining value wherein the processing unit adjusts the volume of the signal stored in the data stream according to the time_determining value such that the adjustment from a current volume value of the signal to the destination volume value is accomplished within a predetermined time.